

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
 Data File : VN081323.D
 Acq On : 06 Mar 2024 13:50
 Operator : JC\MD
 Sample : PB159453ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#04

Quant Time: Mar 07 00:25:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

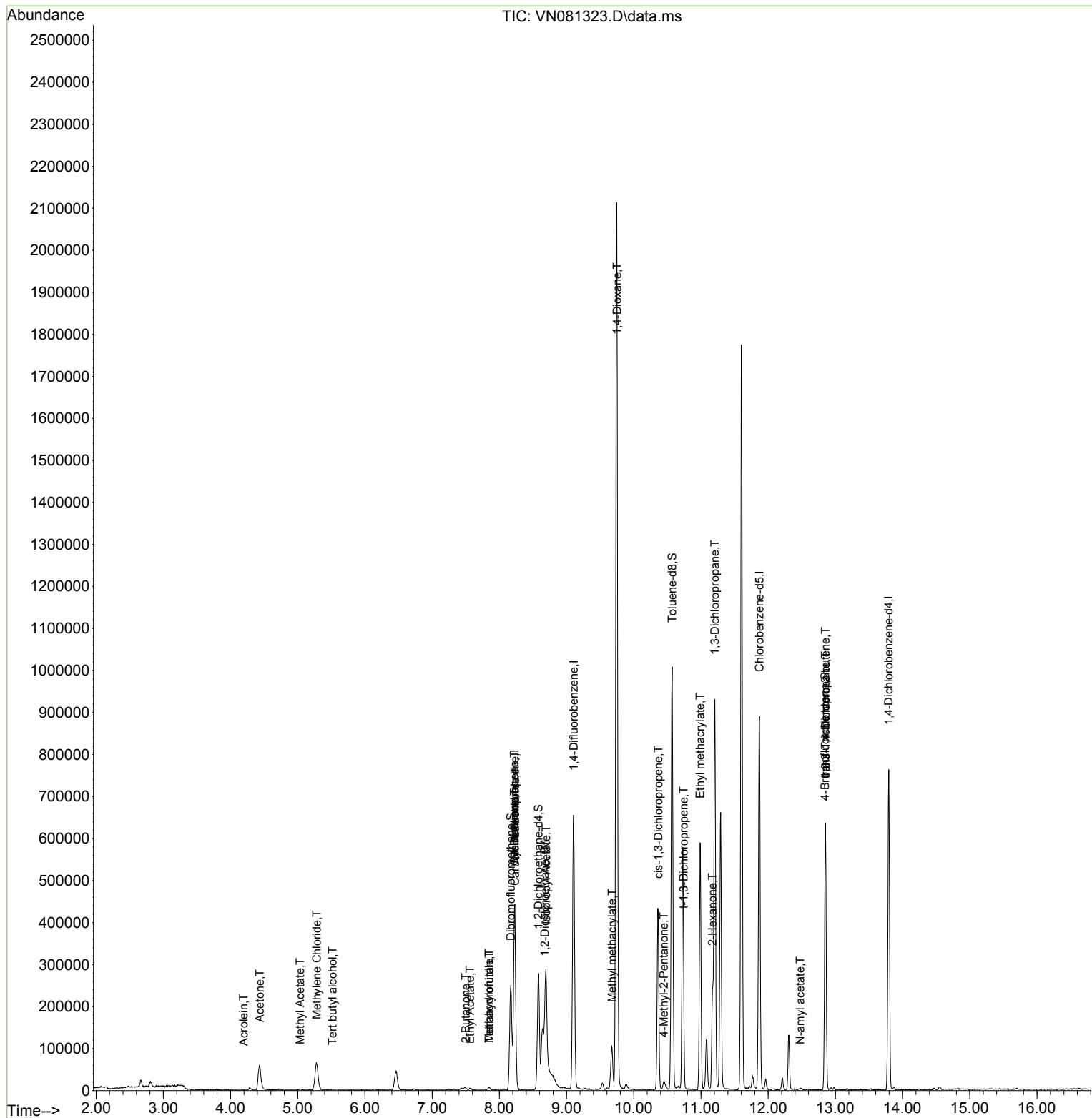
Internal Standards						
1) Pentafluorobenzene	8.229	168	291908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	552773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	498549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	190234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	219049	51.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.800%			
35) Dibromofluoromethane	8.171	113	176422	52.093	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	10.571	98	668641	52.815	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.620%			
62) 4-Bromofluorobenzene	12.847	95	210452	47.033	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.060%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	1895	2.568	ug/l #	83
13) Acrolein	4.194	56	622	0.712	ug/l #	57
16) Acetone	4.436	43	110383	73.815	ug/l	98
18) Methyl Acetate	5.036	43	4508	1.053	ug/l #	83
20) Methylene Chloride	5.283	84	51340	13.305	ug/l #	83
25) 2-Butanone	7.500	43	9741	3.890	ug/l #	79
29) Tetrahydrofuran	7.847	42	5080	2.975	ug/l #	78
31) Cyclohexane	8.224	56	7981	1.249	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	29717	5.439	ug/l #	50
37) Ethyl Acetate	7.565	43	6497	1.216	ug/l #	92
38) Carbon Tetrachloride	8.235	117	34795	6.328	ug/l #	17
41) Methacrylonitrile	7.847	41	2888	0.958	ug/l #	44
42) 1,2-Dichloroethane	8.677	62	2245	0.390	ug/l #	75
43) Isopropyl Acetate	8.694	43	471085	50.393	ug/l #	77
48) Methyl methacrylate	9.676	41	6286	1.521	ug/l #	49
49) 1,4-Dioxane	9.753	88	364	3.997	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	22035	4.059	ug/l #	83
53) t-1,3-Dichloropropene	10.741	75	1375	0.227	ug/l	94
54) cis-1,3-Dichloropropene	10.365	75	76457	11.677	ug/l #	59
56) Ethyl methacrylate	10.988	69	2482	0.442	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9737	1.428	ug/l #	44
59) 2-Hexanone	11.170	43	174148	42.915	ug/l #	26
74) N-amyl acetate	12.476	43	1441	0.224	ug/l #	53
76) 1,2,3-Trichloropropane	12.853	75	120950	26.918	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	120950	75.123	ug/l #	14

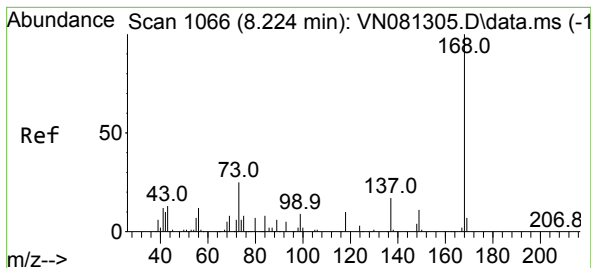
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN081323.D

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Instrument :

MSVOA_N

ClientSampleId :

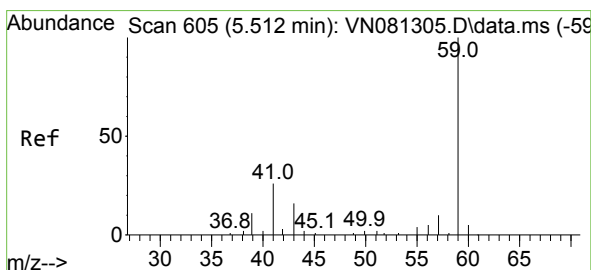
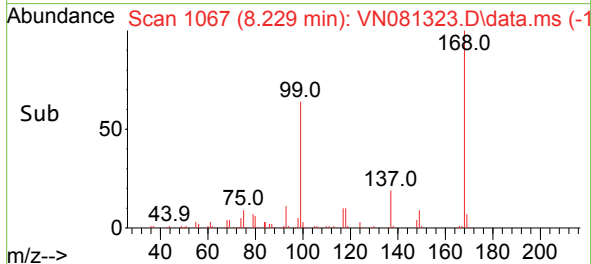
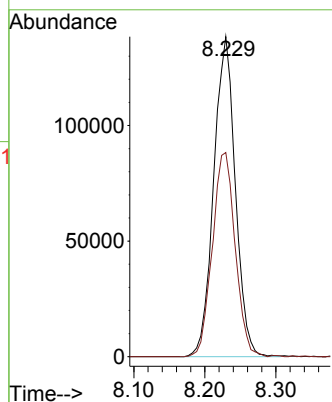
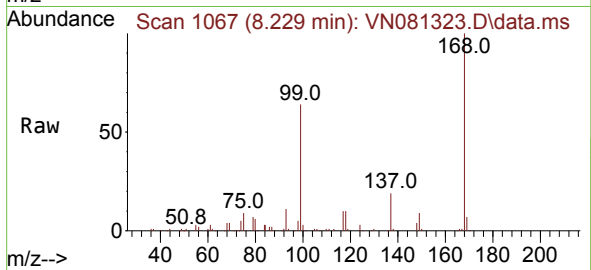
PB159453ZHE#04

Tgt Ion:168 Resp: 291908

Ion Ratio Lower Upper

168 100

99 63.8 59.9 89.9



#11

Tert butyl alcohol

Concen: 2.568 ug/l

RT: 5.518 min Scan# 606

Delta R.T. 0.006 min

Lab File: VN081323.D

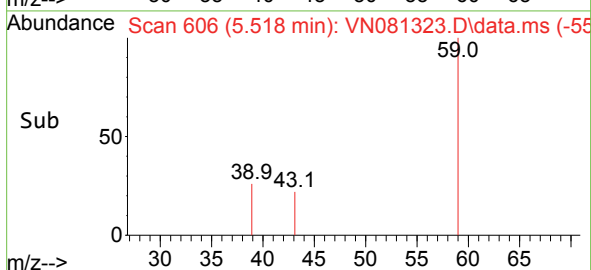
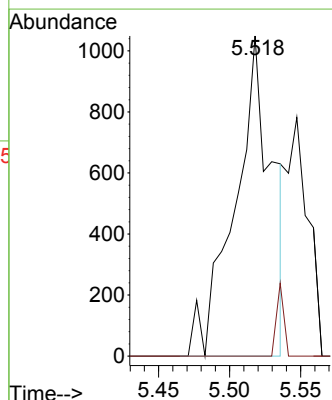
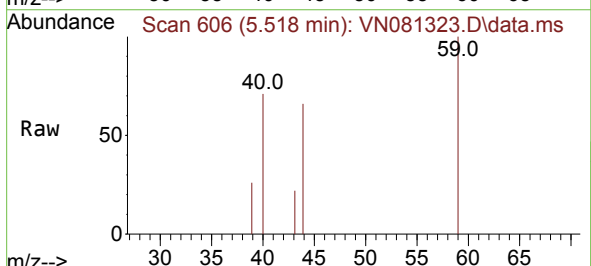
Acq: 06 Mar 2024 13:50

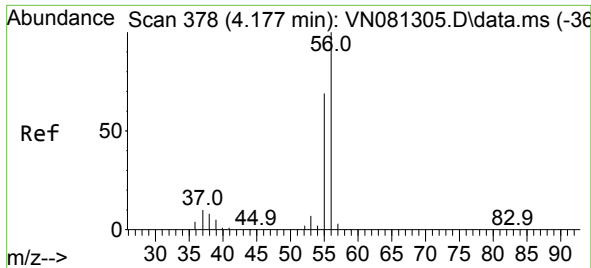
Tgt Ion: 59 Resp: 1895

Ion Ratio Lower Upper

59 100

57 4.4 8.6 12.8#





#13

Acrolein

Concen: 0.712 ug/l

RT: 4.194 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN081323.D

Acq: 06 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

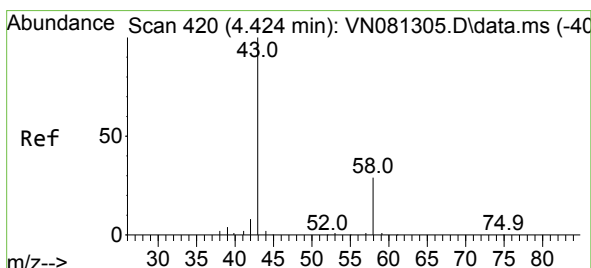
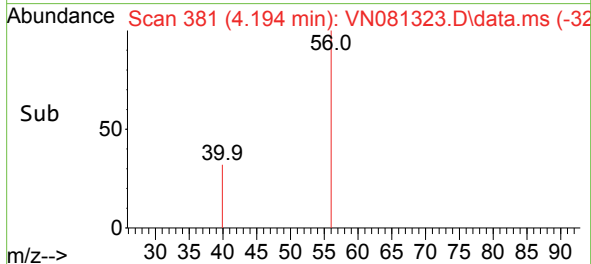
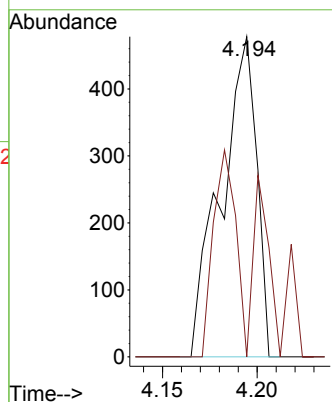
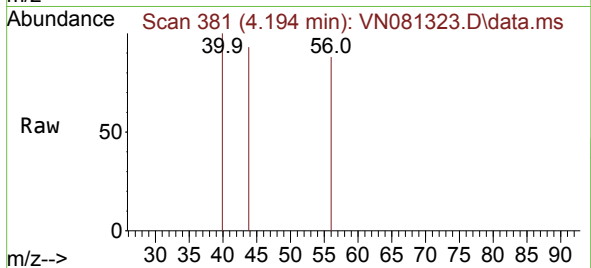
PB159453ZHE#04

Tgt Ion: 56 Resp: 622

Ion Ratio Lower Upper

56 100

55 34.2 55.3 82.9#



#16

Acetone

Concen: 73.815 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN081323.D

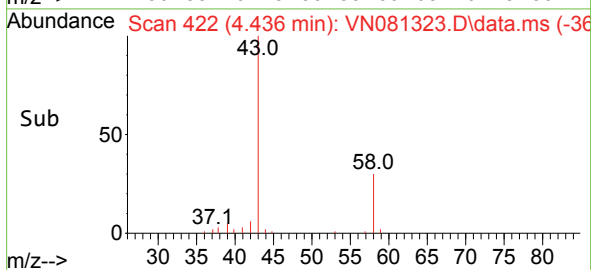
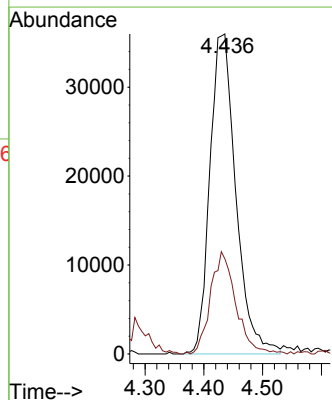
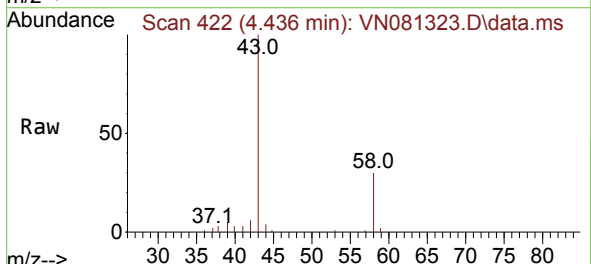
Acq: 06 Mar 2024 13:50

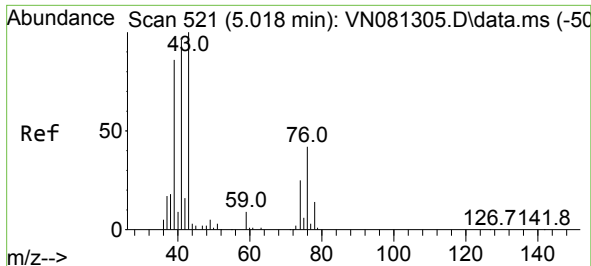
Tgt Ion: 43 Resp: 110383

Ion Ratio Lower Upper

43 100

58 29.8 24.8 37.2

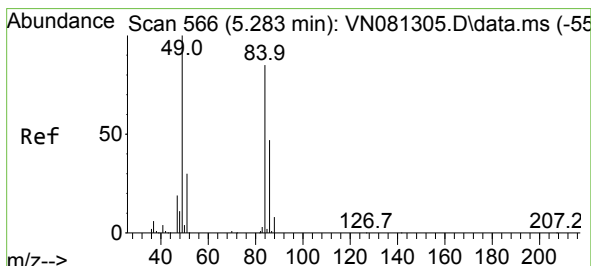
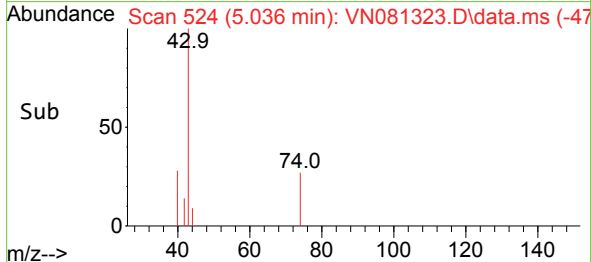
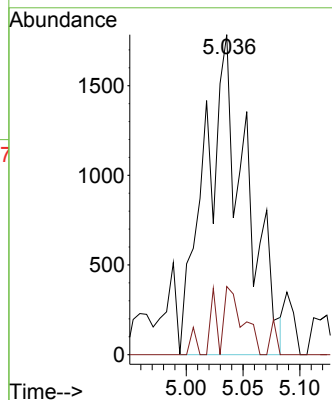
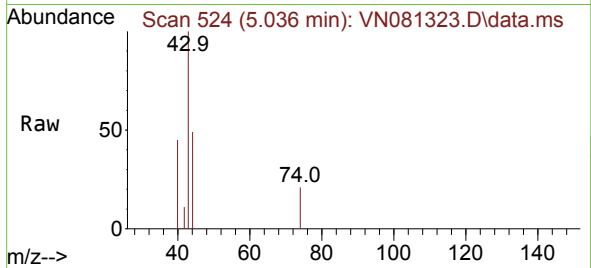




#18
Methyl Acetate
Concen: 1.053 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

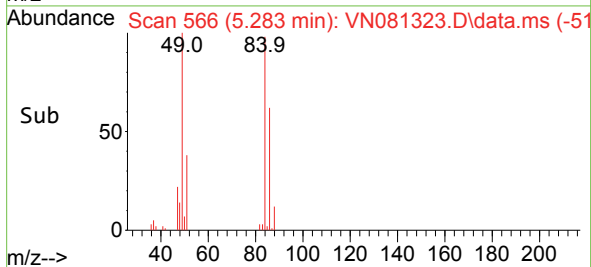
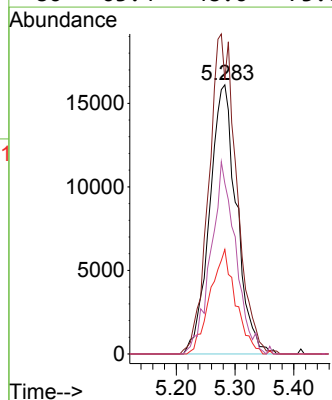
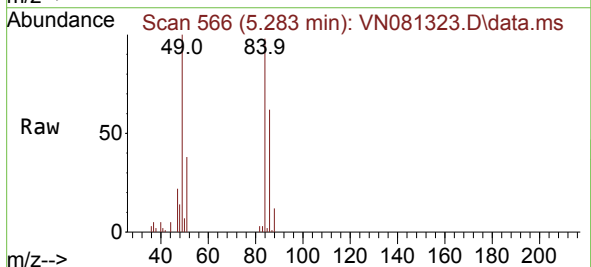
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

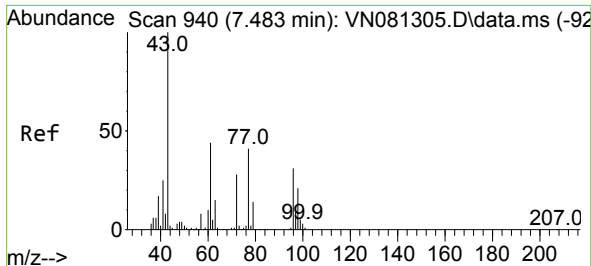
Tgt Ion: 43 Resp: 4508
Ion Ratio Lower Upper
43 100
74 13.6 17.3 25.9#



#20
Methylene Chloride
Concen: 13.305 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion: 84 Resp: 51340
Ion Ratio Lower Upper
84 100
49 101.8 108.1 162.1#
51 38.8 32.9 49.3
86 63.4 48.6 73.0

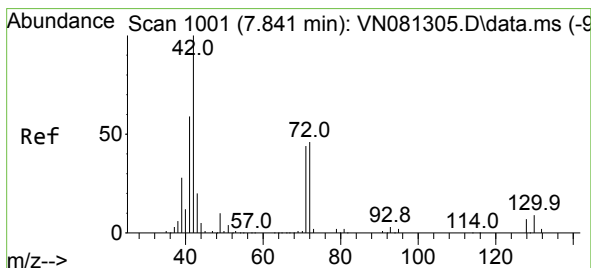
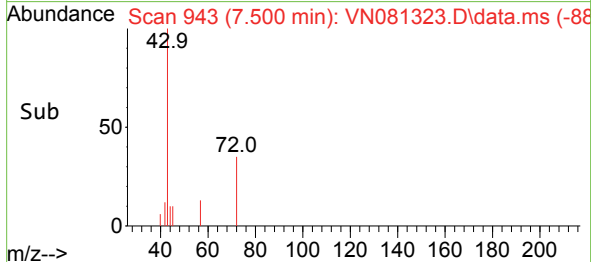
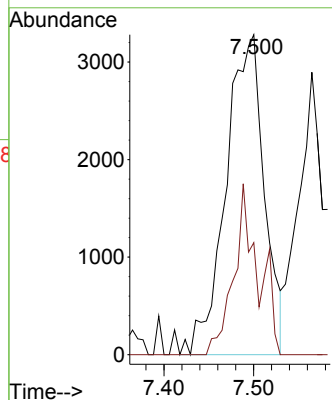
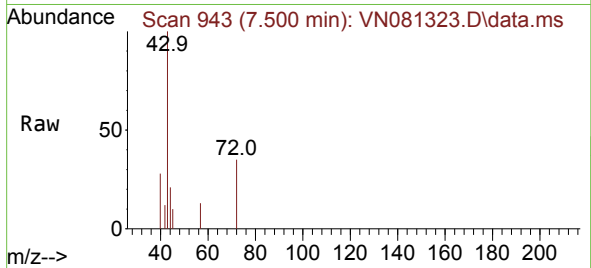




#25
2-Butanone
Concen: 3.890 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

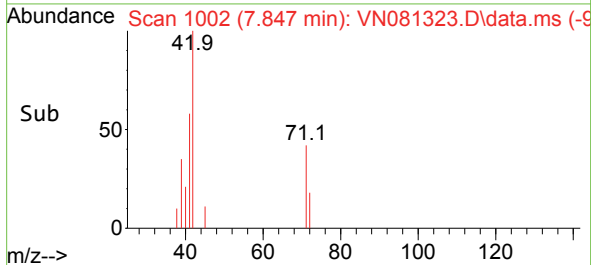
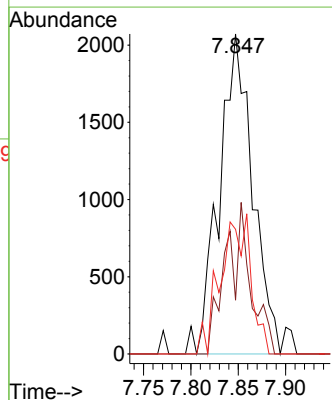
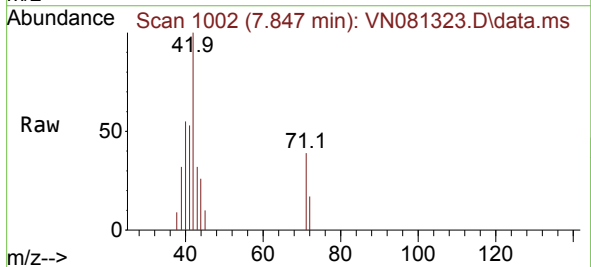
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

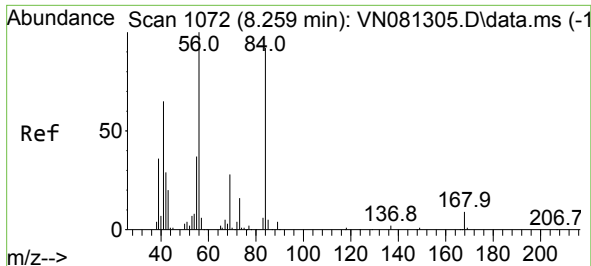
Tgt Ion: 43 Resp: 9741
Ion Ratio Lower Upper
43 100
72 35.0 19.5 29.3#



#29
Tetrahydrofuran
Concen: 2.975 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

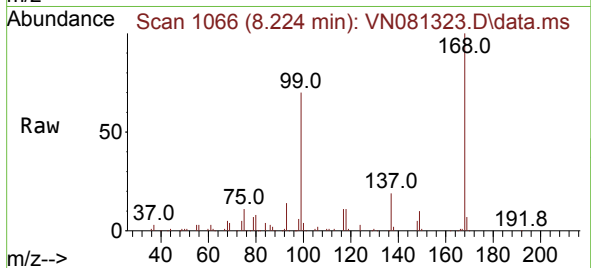
Tgt Ion: 42 Resp: 5080
Ion Ratio Lower Upper
42 100
72 17.0 31.1 46.7#
71 39.1 28.3 42.5



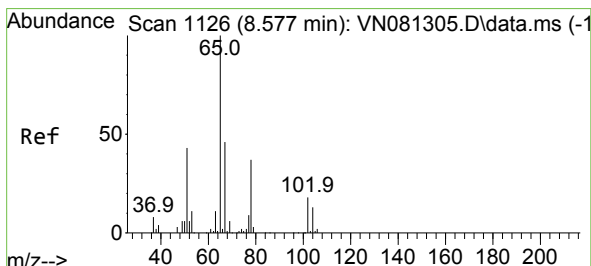
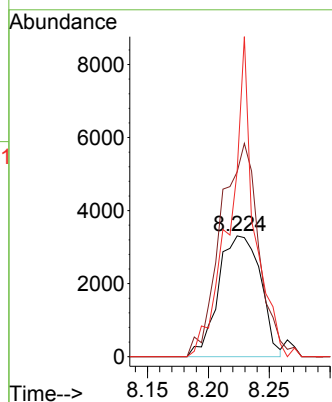
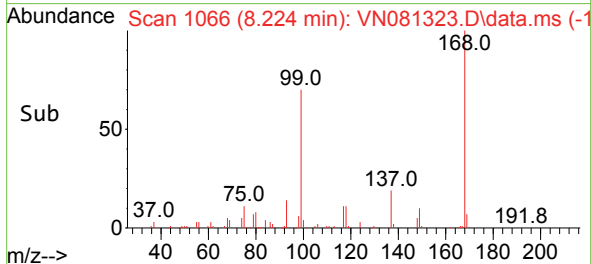


#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

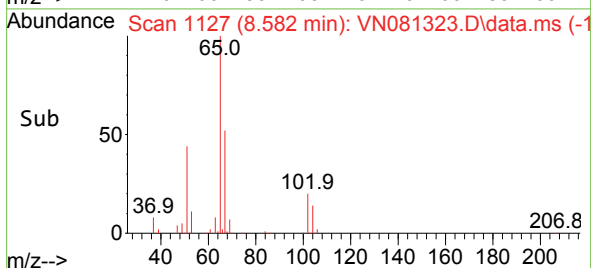
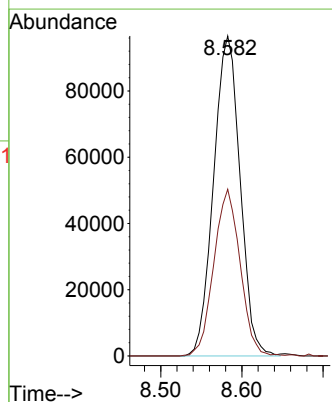
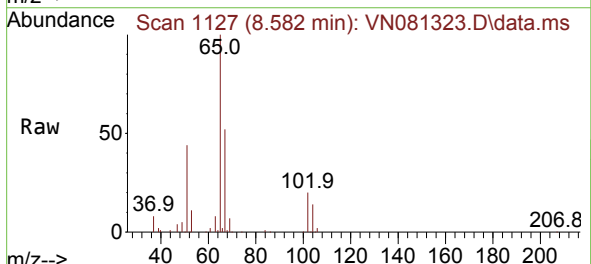


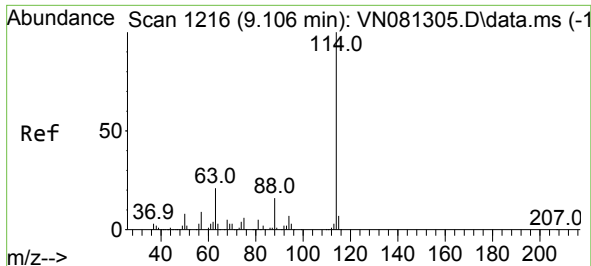
Tgt Ion: 56 Resp: 7981
Ion Ratio Lower Upper
56 100
69 153.0 20.1 30.1#
84 153.7 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.899 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion: 65 Resp: 219049
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4

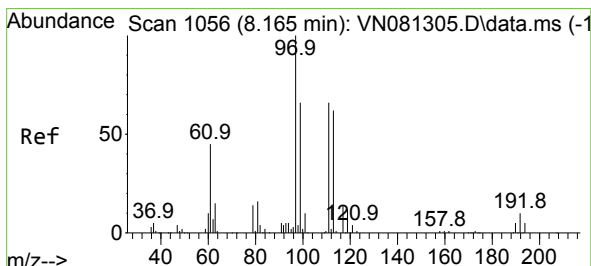
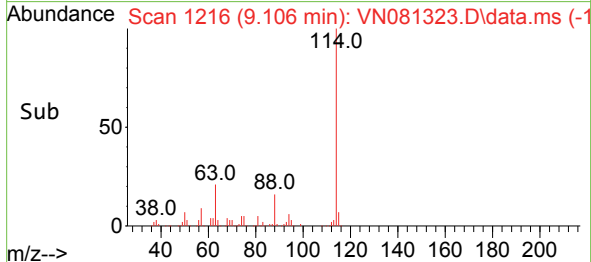
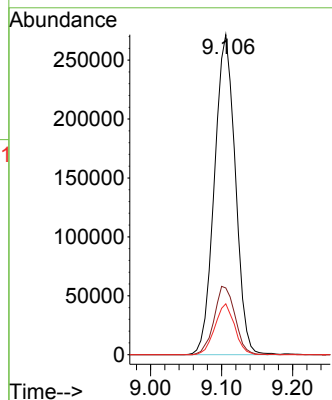
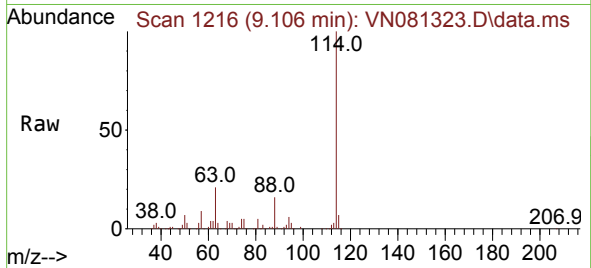




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

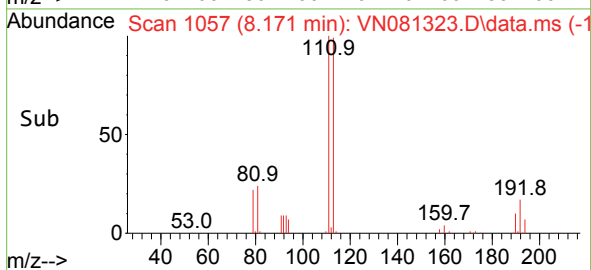
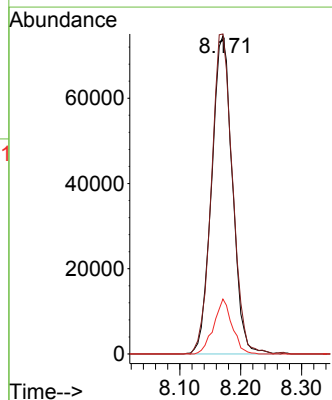
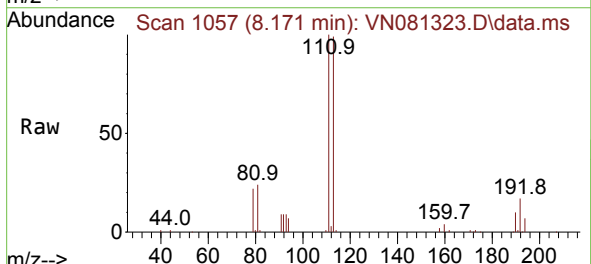
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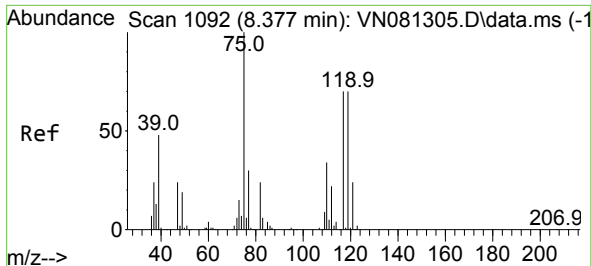
Tgt Ion:114 Resp: 552773
Ion Ratio Lower Upper
114 100
63 20.8 0.0 48.0
88 15.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.093 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion:113 Resp: 176422
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 15.3 12.5 18.7

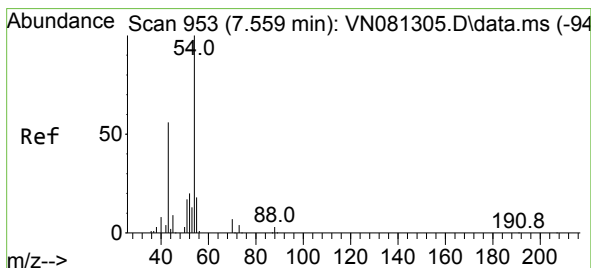
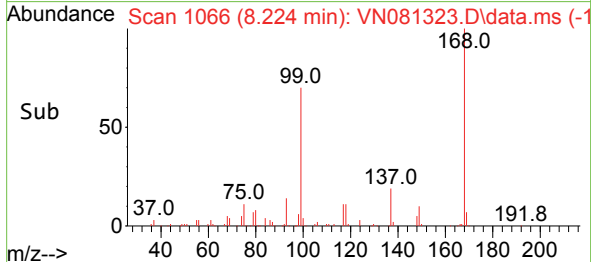
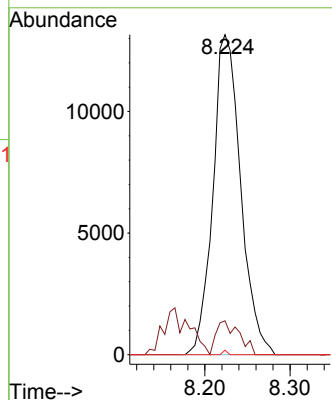
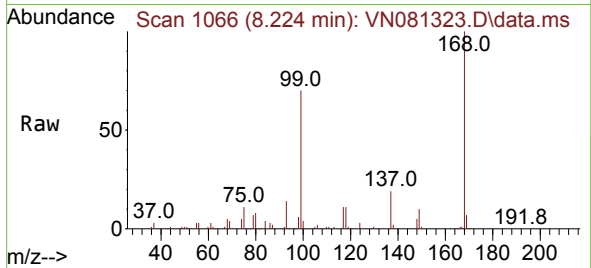




#36
1,1-Dichloropropene
Concen: 5.439 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

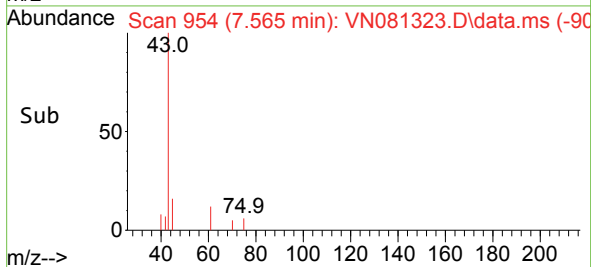
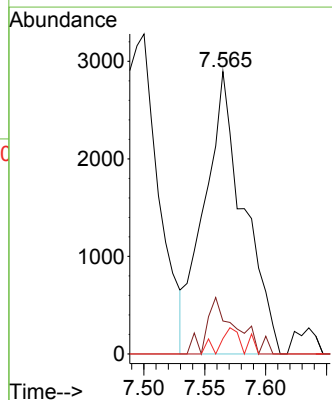
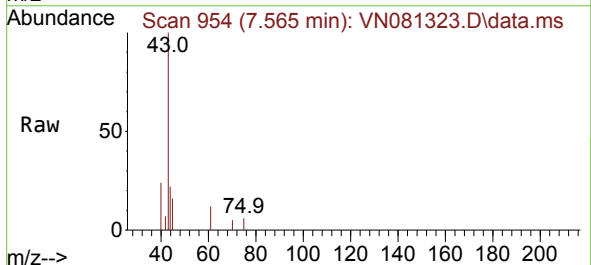
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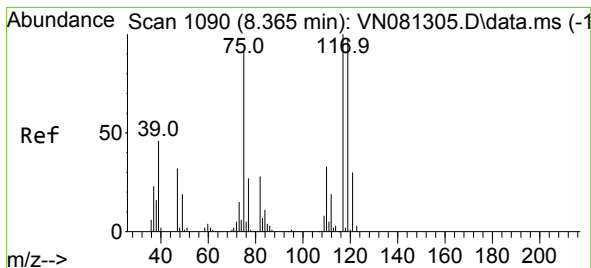
Tgt Ion: 75 Resp: 29717
Ion Ratio Lower Upper
75 100
110 8.7 16.0 48.0#
77 0.2 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.216 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion: 43 Resp: 6497
Ion Ratio Lower Upper
43 100
61 15.1 10.6 15.8
70 5.5 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.328 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN081323.D

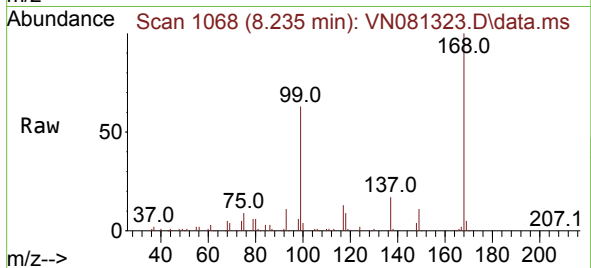
Acq: 06 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#04



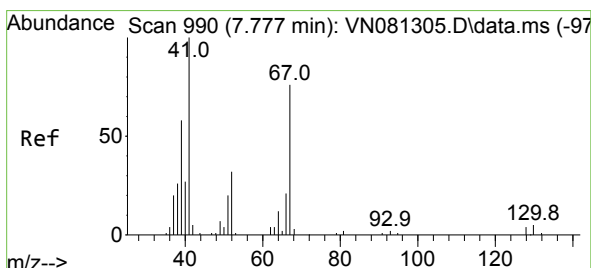
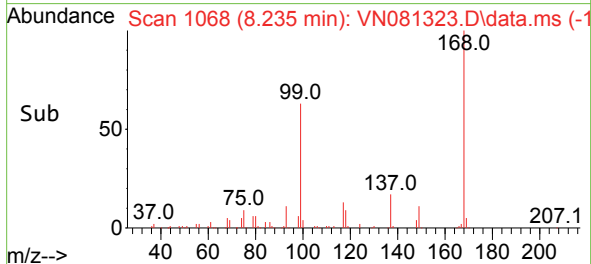
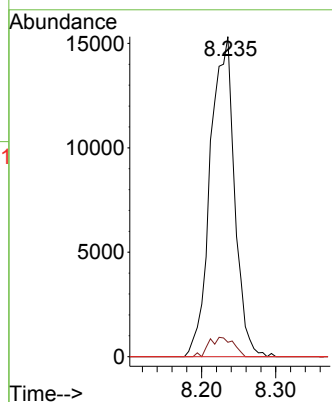
Tgt Ion:117 Resp: 34795

Ion Ratio Lower Upper

117 100

119 4.5 73.4 110.2#

121 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 0.958 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.071 min

Lab File: VN081323.D

Acq: 06 Mar 2024 13:50

Tgt Ion: 41 Resp: 2888

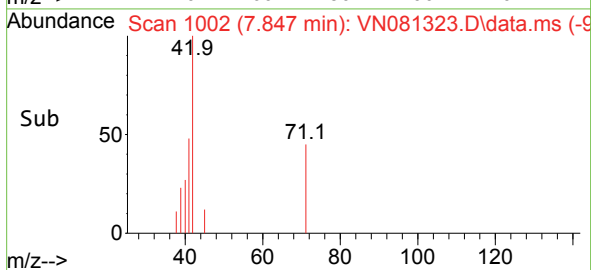
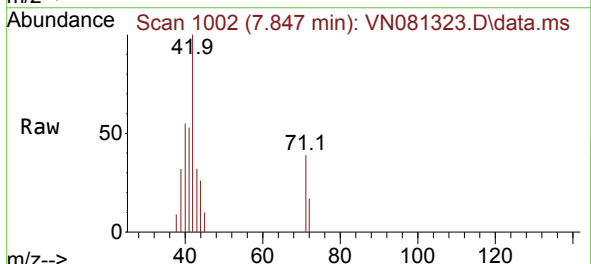
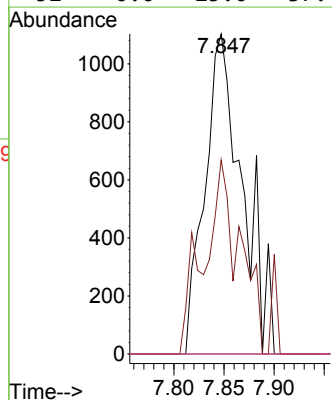
Ion Ratio Lower Upper

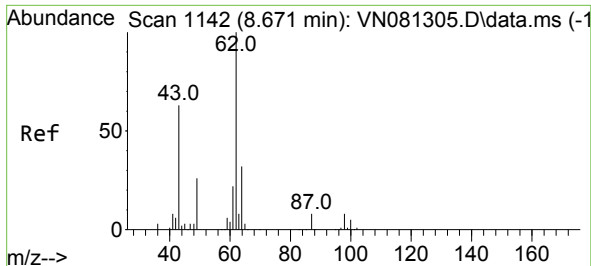
41 100

39 44.3 48.4 72.6#

67 0.0 56.8 85.2#

52 0.0 25.0 37.4#





#42

1,2-Dichloroethane

Concen: 0.390 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081323.D

Acq: 06 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

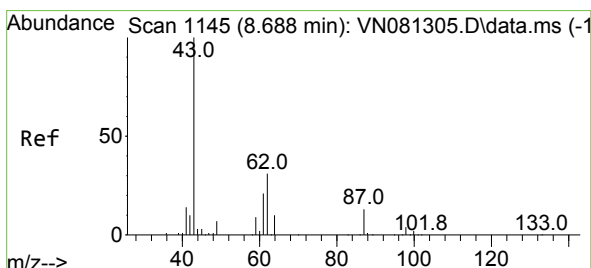
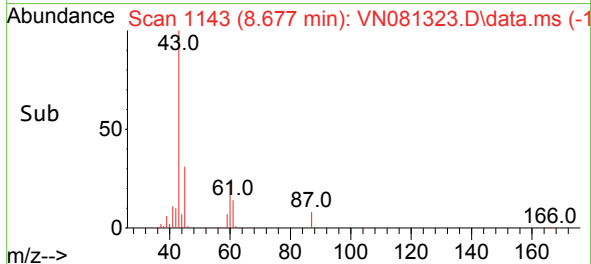
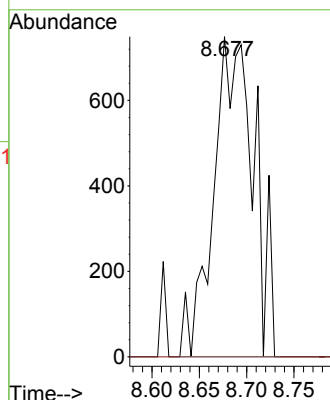
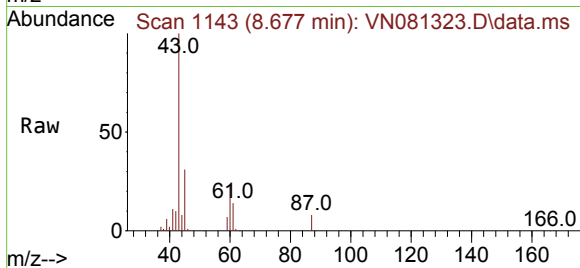
PB159453ZHE#04

Tgt Ion: 62 Resp: 2245

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 50.393 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN081323.D

Acq: 06 Mar 2024 13:50

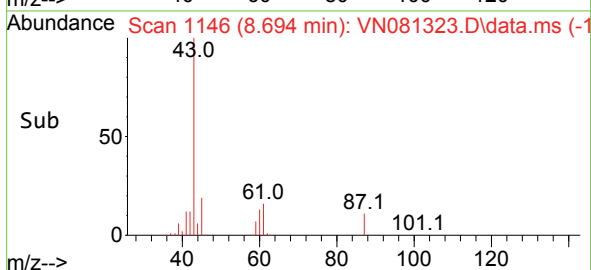
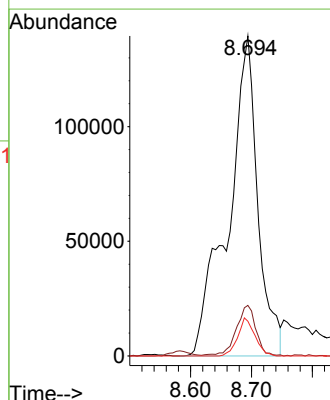
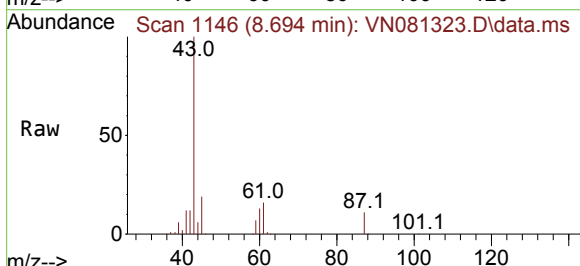
Tgt Ion: 43 Resp: 471085

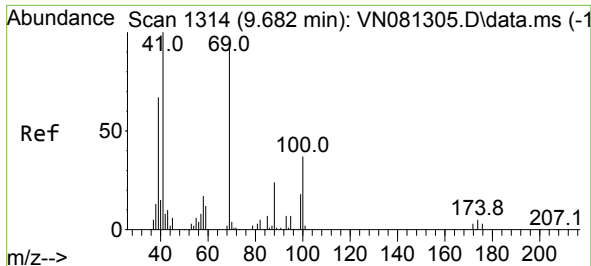
Ion Ratio Lower Upper

43 100

61 10.6 19.9 29.9#

87 6.9 9.0 13.6#

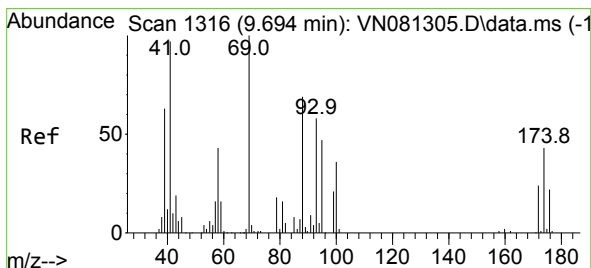
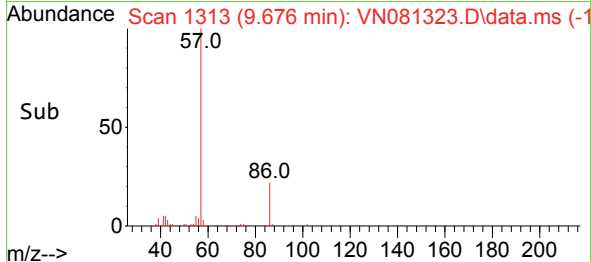
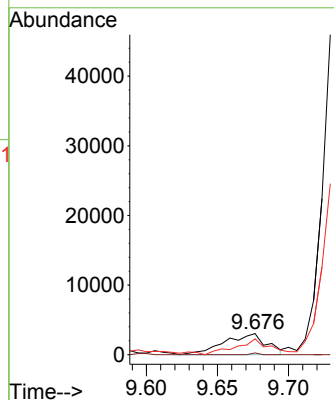
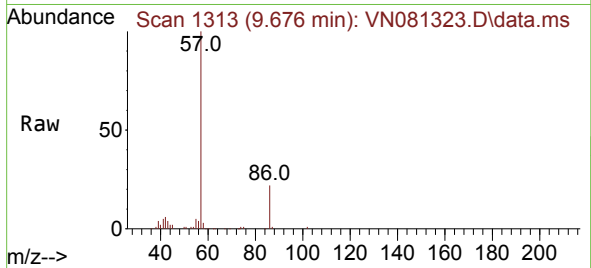




#48
Methyl methacrylate
Concen: 1.521 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

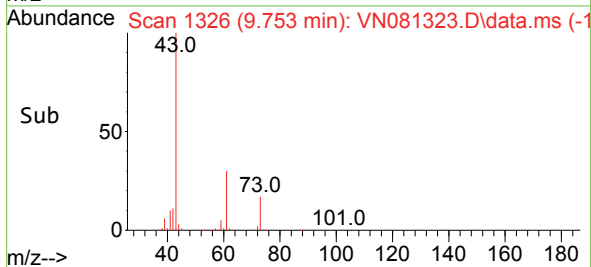
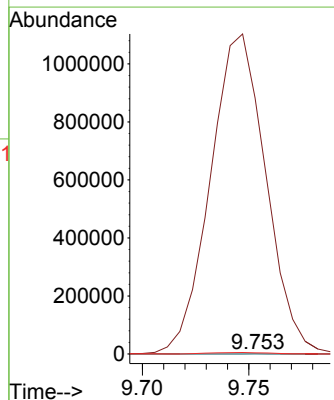
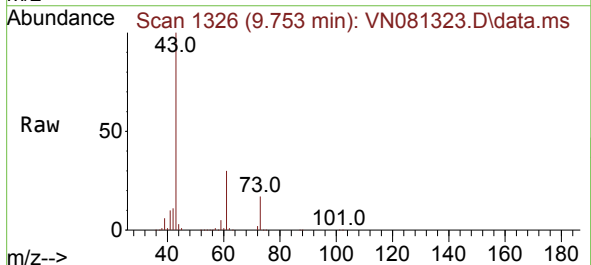
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

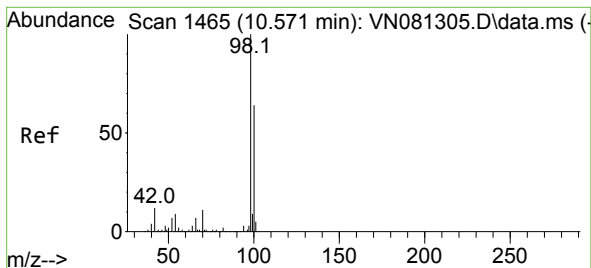
Tgt Ion: 41 Resp: 6286
Ion Ratio Lower Upper
41 100
69 1.5 62.2 93.2#
39 61.1 47.6 71.4



#49
1,4-Dioxane
Concen: 3.997 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion: 88 Resp: 364
Ion Ratio Lower Upper
88 100
43 551985.4 30.1 45.1#
58 2736.5 63.9 95.9#

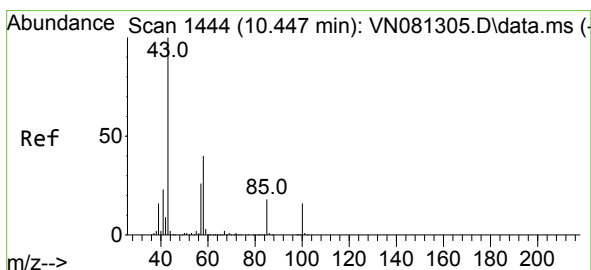
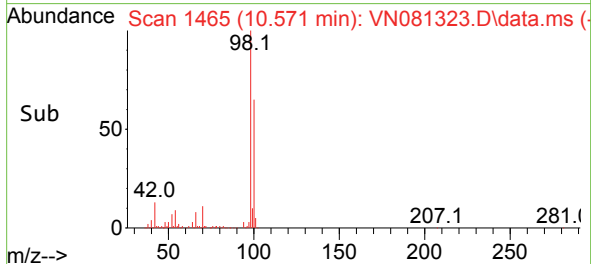
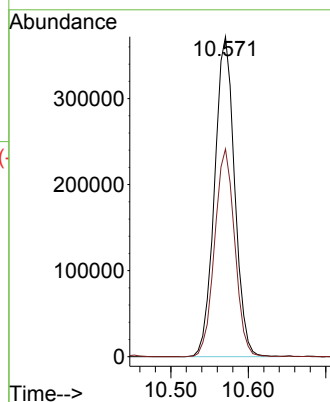
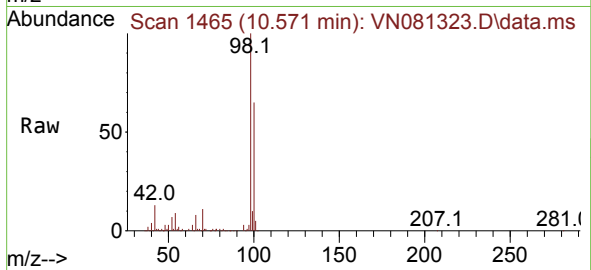




#50
Toluene-d8
Concen: 52.815 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

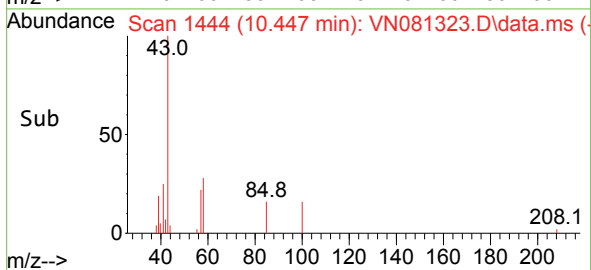
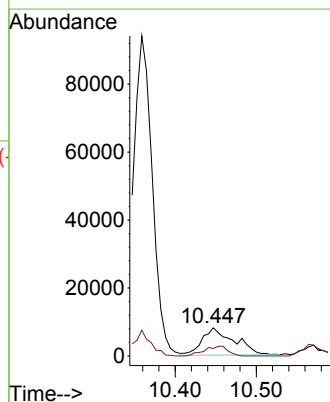
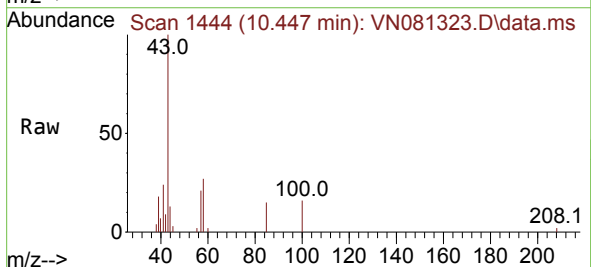
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

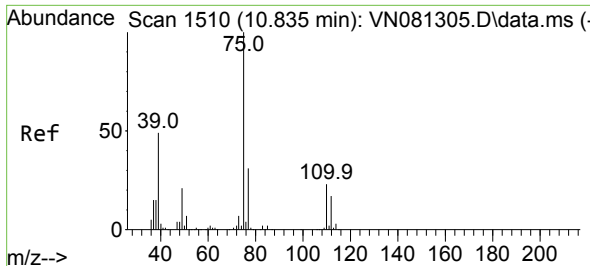
Tgt Ion: 98 Resp: 668641
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 4.059 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion: 43 Resp: 22035
Ion Ratio Lower Upper
43 100
58 26.6 29.4 44.0#

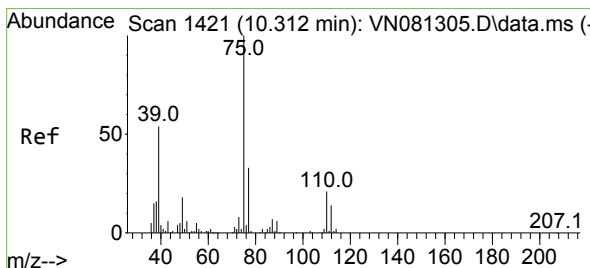
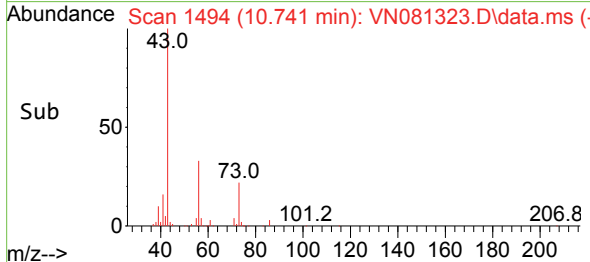
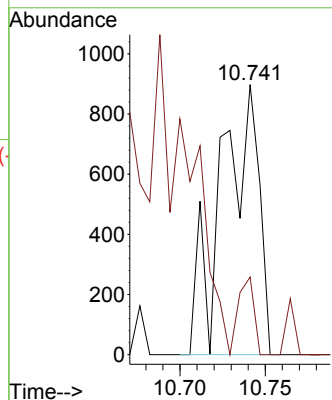
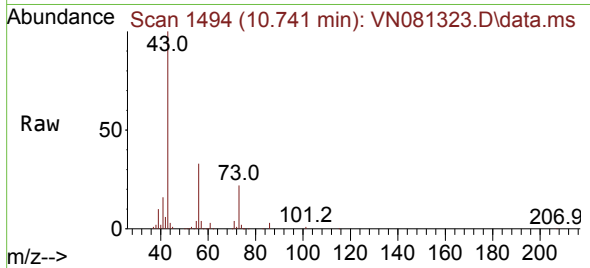




#53
 t-1,3-Dichloropropene
 Concen: 0.227 ug/l
 RT: 10.741 min Scan# 14
 Delta R.T. -0.094 min
 Lab File: VN081323.D
 Acq: 06 Mar 2024 13:50

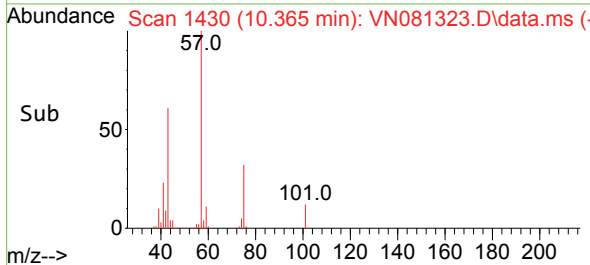
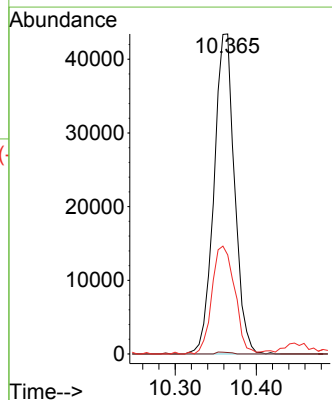
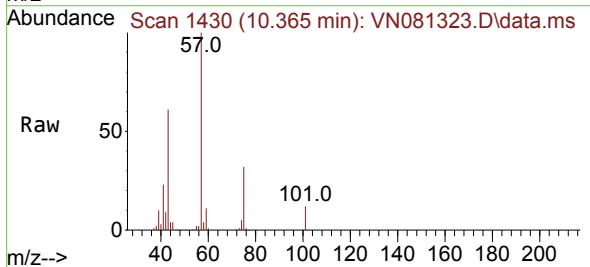
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#04

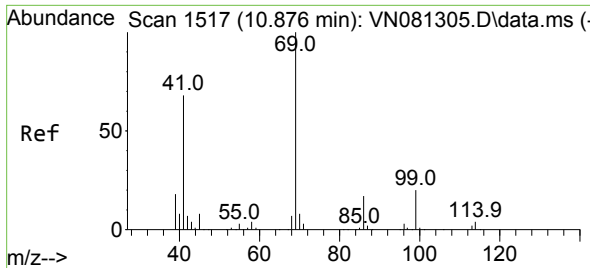
Tgt Ion: 75 Resp: 1375
 Ion Ratio Lower Upper
 75 100
 77 28.7 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 11.677 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.053 min
 Lab File: VN081323.D
 Acq: 06 Mar 2024 13:50

Tgt Ion: 75 Resp: 76457
 Ion Ratio Lower Upper
 75 100
 77 0.5 23.3 34.9#
 39 31.0 44.6 66.8#

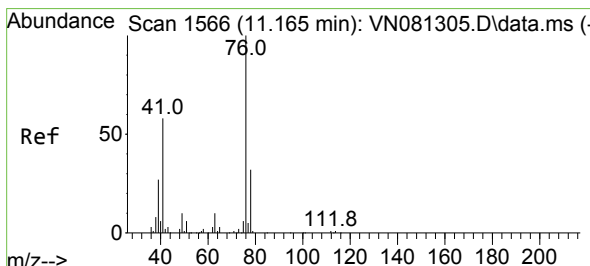
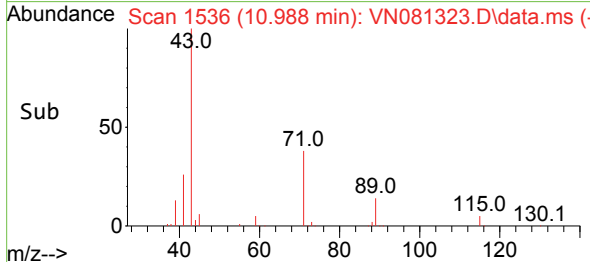
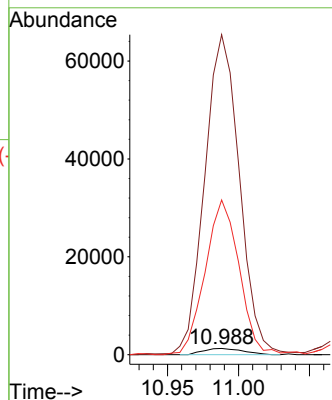
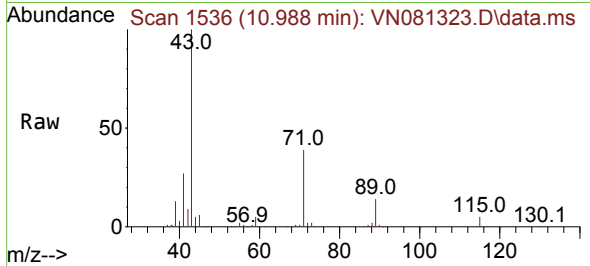




#56
Ethyl methacrylate
Concen: 0.442 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

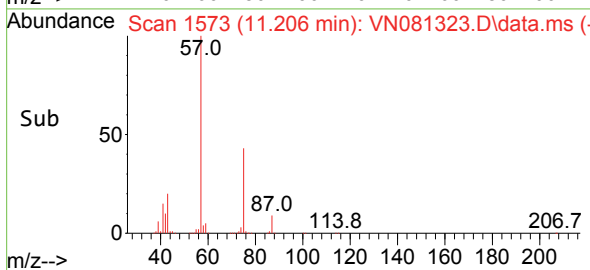
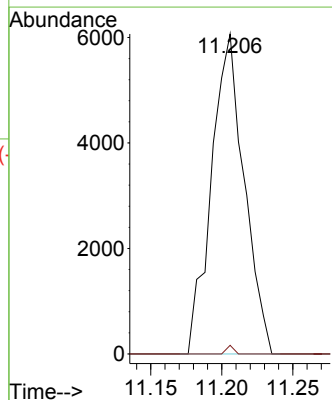
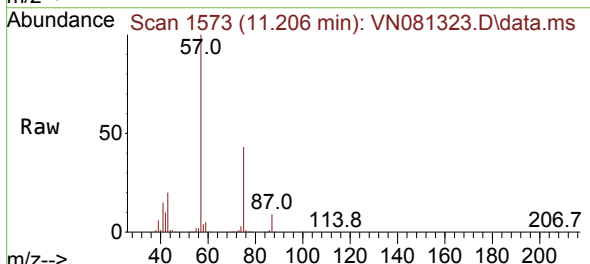
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

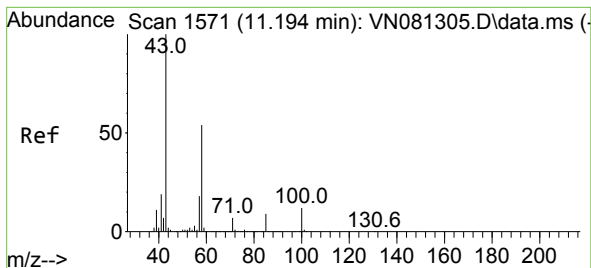
Tgt Ion: 69 Resp: 2482
Ion Ratio Lower Upper
69 100
41 4490.3 61.0 91.6#
39 2128.8 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.428 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion: 76 Resp: 9737
Ion Ratio Lower Upper
76 100
78 0.6 25.5 38.3#

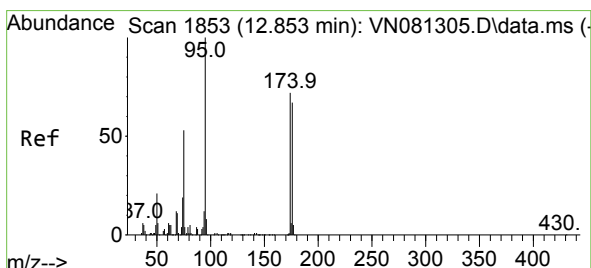
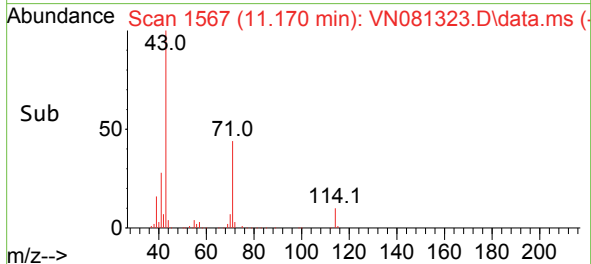
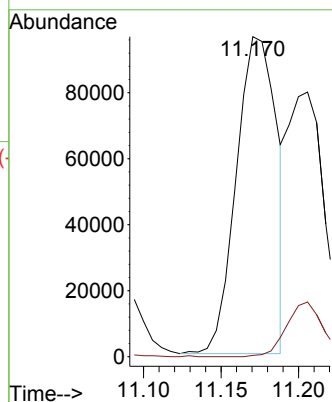
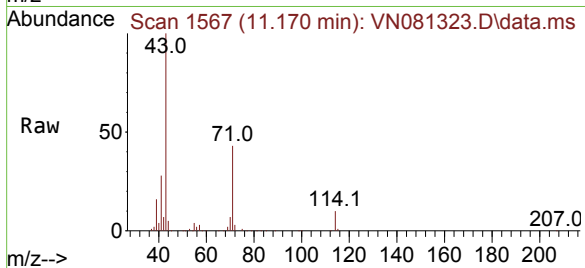




#59
2-Hexanone
Concen: 42.915 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

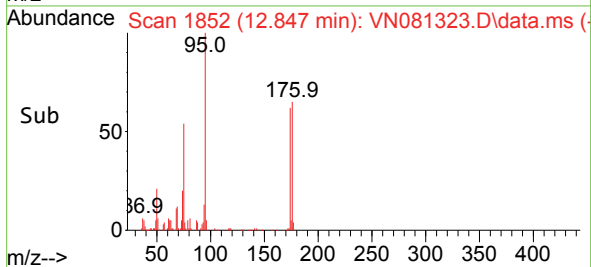
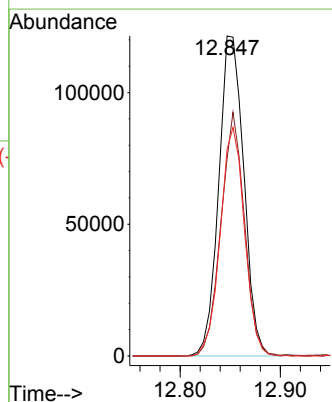
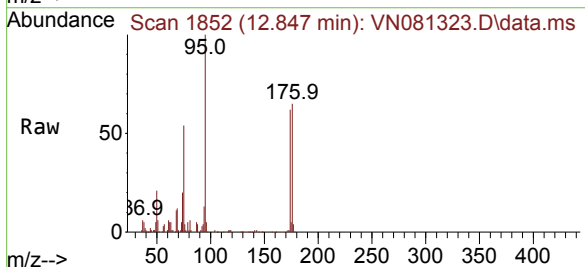
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

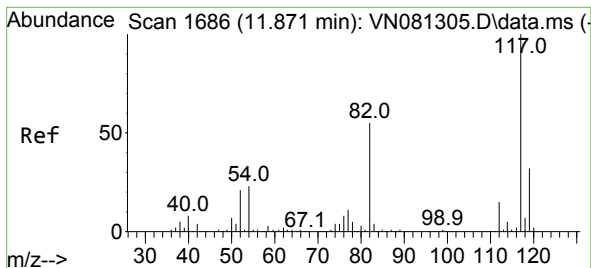
Tgt Ion: 43 Resp: 174148
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.033 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion: 95 Resp: 210452
Ion Ratio Lower Upper
95 100
174 71.1 0.0 120.4
176 69.0 0.0 121.0

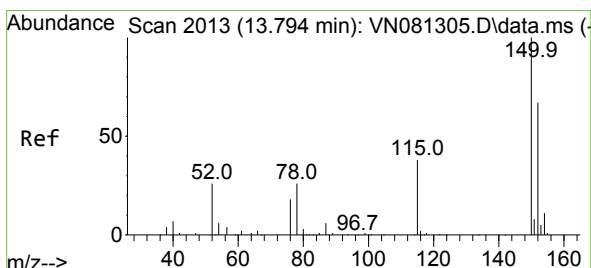
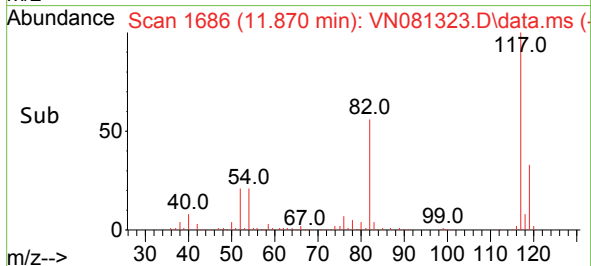
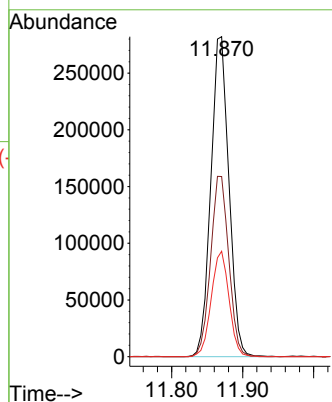
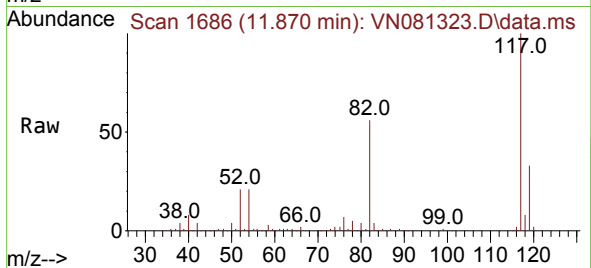




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

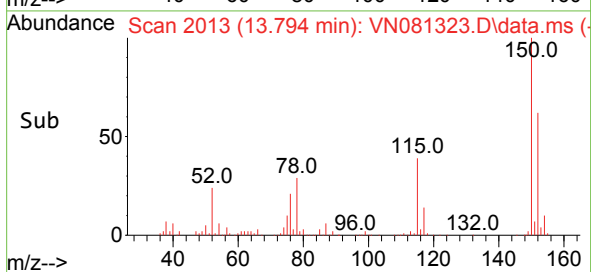
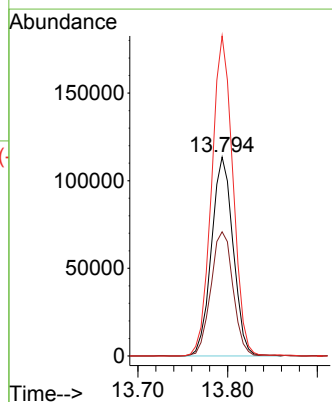
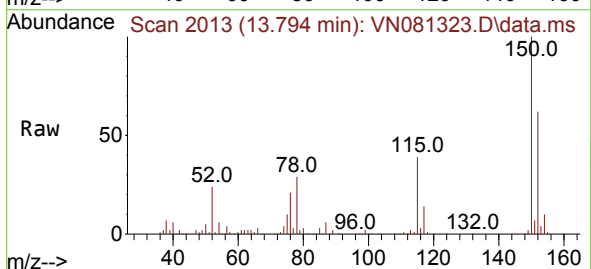
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

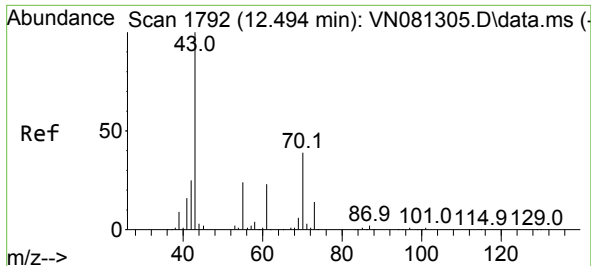
Tgt Ion:117 Resp: 498549
Ion Ratio Lower Upper
117 100
82 56.3 52.7 79.1
119 33.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion:152 Resp: 190234
Ion Ratio Lower Upper
152 100
115 64.2 32.3 96.8
150 157.9 0.0 339.8

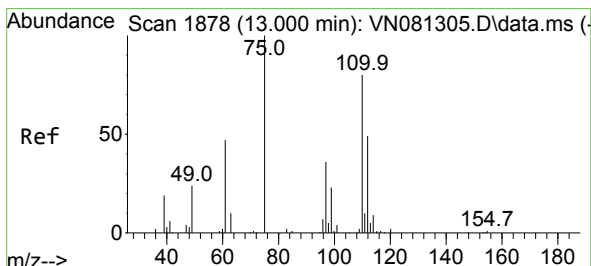
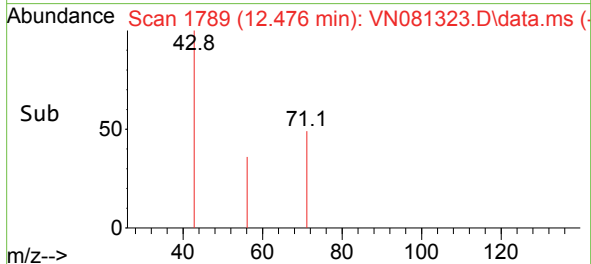
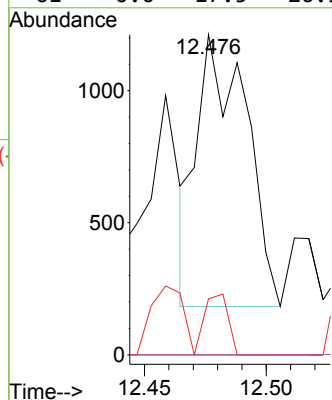
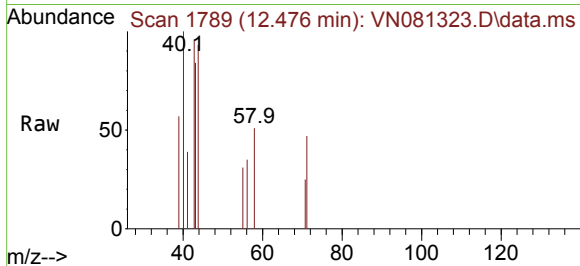




#74
N-amy1 acetate
Concen: 0.224 ug/l
RT: 12.476 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

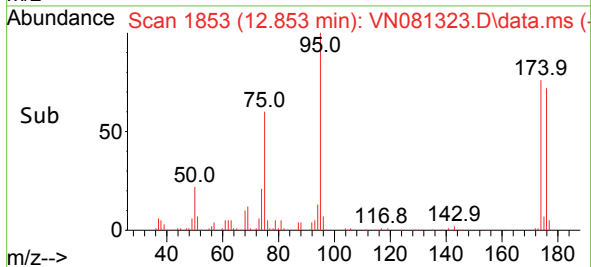
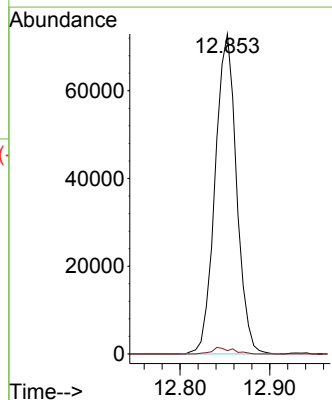
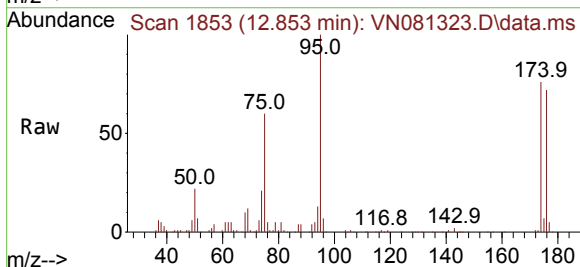
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#04

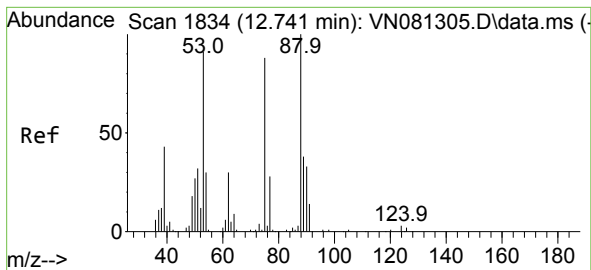
Tgt Ion: 43	Resp: 1441
Ion Ratio	Lower Upper
43	100
70	0.0 30.1 45.1#
55	10.8 17.0 25.4#
61	0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 26.918 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN081323.D
Acq: 06 Mar 2024 13:50

Tgt Ion: 75	Resp: 120950
Ion Ratio	Lower Upper
75	100
77	2.0 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.123 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081323.D
 Acq: 06 Mar 2024 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#04

Tgt Ion: 75 Resp: 120950
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

